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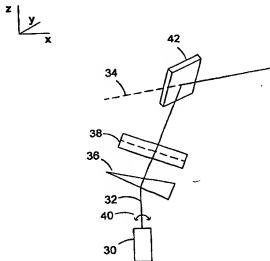
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(54) Title: LASER SYSTEM



(57) Abstract: A laser system and interferometer are disclosed comprising a laser source (10,51) for generating a laser beam (12,52), and first (16,36,57) and second (18,38,58) adjustable elements wherein the first (16,36,57) and second (18,38,58) adjustable elements have limited rotational motion so rotation of the first adjustable element causes deviation of a laser beam in one plane and rotation of the second adjustable element causes deviation in a second plane, and a laser beam (12,52) from the laser source (10,51) is oblique to a required beam direction (14,34,60) whereby rotation of the adjustable elements deviates the laser beam enabling alignment of the laser beam to the required beam direction. The adjustable elements may be rotatable through 90°. The first and second planes may be perpendicular to the required beam direction and to each other. At least one mirror (42,56) may be provided which can be angularly offset to the required beam direction.

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A. CLASSIFICATION OF SUBJECT MATTER  
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According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)  
WPI Data, EPO-Internal, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 4 850 686 A (MORIMOTO AKIRA ET AL) 25 July 1989 (1989-07-25) abstract; figure 11	1-7
Y		8-11
Y	WO 00 57228 A (CHANEY RAYMOND JOHN ; CHAPMAN MARK ADRIAN VINCENT (GB); LINNENBURG) 28 September 2000 (2000-09-28) abstract; figure 4	8-11
A		1-7
A	US 6 163 379 A (DE GROOT PETER J) 19 December 2000 (2000-12-19) abstract; figure 1	1-11
A	EP 0 631 156 A (HUGHES AIRCRAFT CO) 28 December 1994 (1994-12-28) abstract; figures	1-11
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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>WO 99 38045 A (CHAPMAN MARK ADRIAN VINCENT ;LIAO TINGDI (GB); RENISHAW PLC (GB)) 29 July 1999 (1999-07-29) page 7, line 17 - line 25 figures</p> <p>-----</p>	1-11

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